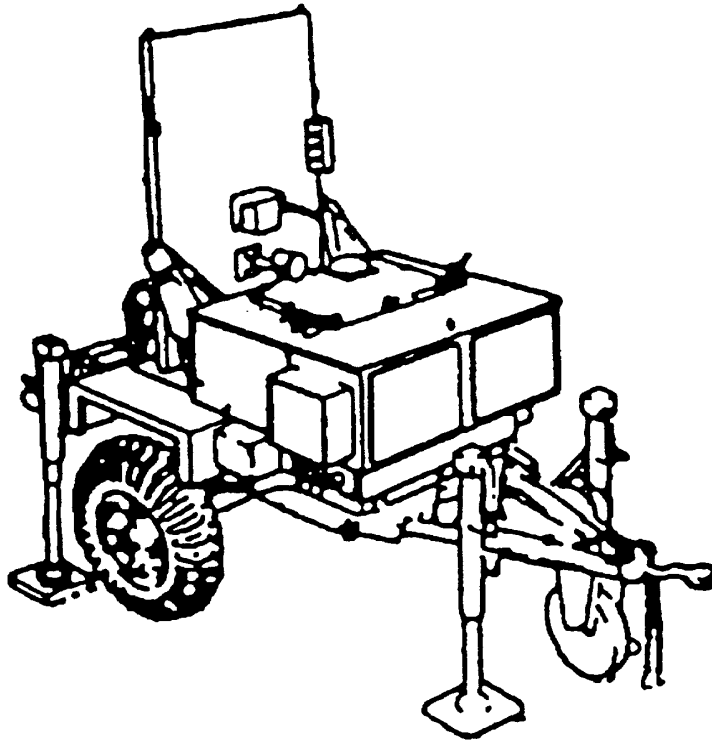


AN/TPQ-36 FIREFINDER



SYSTEM IDENTIFIERS	
NOMENCLATURE:	Radar Set, Mortar
SSN:	B88600
LIN:	R14148
NSN:	5840-01-043-4257
AMIM NO:	I225
EIC:	IYA
FUEL TYPE:	-----

SYSTEM DESCRIPTION
<p>The AN/TPQ-36 FIREFINDER is an artillery, rocket, and mortar locating radar. FIREFINDER locates enemy firing positions by tracking hostile projectiles, then computes a back azimuth along the trajectory to the originating point of fire. This information is provided to the systems operator who relays the data to the Fire Direction Center which then initiates counter-battery fire. The system can track several projectiles simultaneously and still scan for new fire. The AN/TPQ-36 can also track friendly artillery fires for increased accuracy. Emplacement of this system takes only 15 minutes. Its high mobility allows for deployment as close as 1.2 miles from the front line.</p>

The list below identifies components associated with this weapon/materiel system.

AN/TPQ-36 FIREFINDER

<u>LIN</u>	<u>NSN</u>	<u>NOMENCLATURE</u>
A22496	1290-00-614-0008	AIMING CIRCLE
A23970	4120-00-411-5445	AIR CONDITIONER, FL/WALL A/C
A72260	5985-00-497-8554	ANTENNA, RC-292
A79381	5985-01-063-1574	ANTENNA GROUP, OE-254/G
B38070	5820-00-893-1323	BASE SHOCK MOUNT ELECTRICAL, MT-102
B58567	5895-01-260-4545	BS GEN UNIT AN/GYK-33
E95031	5895-01-188-8816	EC FIL D MX-10579/VRC
G35981	6115-00-465-1027	GEN ST DSL ENG, 10KW 40
K23814	5965-00-069-8885	HEADSET MIC H-182/PT
K87243	5820-00-450-6804	INSTALLATION KIT, MK-1234/G F/AN/VR
K87248	5820-00-469-6684	INSTL KIT, F/AN/VRC-43 46 53 6
K87328	5820-00-401-9669	INSTALLATION KIT, MK-14
K87456	5820-01-022-3328	INSTL KT, MK-1817/GRC F/AN/VRC-46/5
L65501	6675-00-612-1187	TARGET SURVEY, LIGHT
P40754	6130-00-823-5359	POWER SUPPLY, PP-6547/U
P42364	6115-01-153-7742	POWER PLANT, ELECTRIC
Q53001	5820-00-223-7433	RADIO SET, AN/VRC-46
R33939	5820-00-892-0622	RECEIVER-TRANSMITTER RADIO, RT-524
R45203	5820-01-151-9919	RADIO SET AN/VRC-90
R67908	5820-01-268-5105	RADIO SET
T47091	5180-01-064-1374	TOOL KIT ORG FIREFINDER
V31211	5805-00-503-2775	TELEPHONE SET, TA-43/PT

SYSTEM VARIANTS

<u>MDS</u>	<u>LIN</u>	<u>NSN</u>
AN/TPQ-36	R14148	5840-01-185-4244
AN/TPQ-36	R14148	5840-01-229-1276
AN/TPQ-36	R14148	5840-01-229-1277

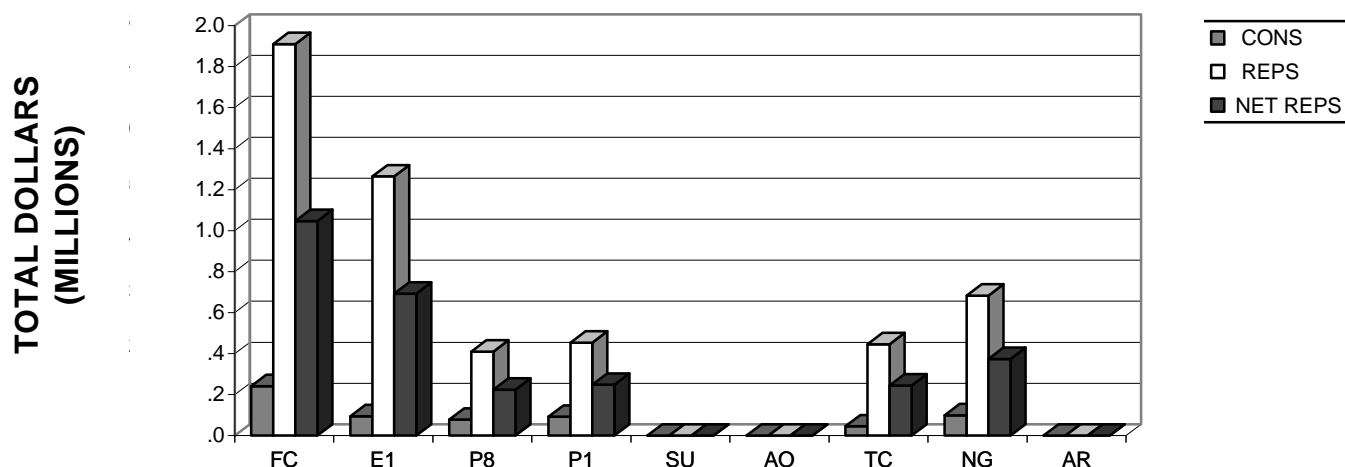
This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

**AN/TPQ-36 FIREFINDER
FY 94 TOTAL ARMY COST SUMMARY
(FY 94 Constant Dollars)**

<div>DENSITY</div> <div>NUMBER OF SYSTEMS97</div>	<div>DEPOT END ITEM MAINTENANCE (5.061)</div> <div>TOTAL\$27,488</div> <div>QUANTITY COMPLETED0</div> <div>AVG COST/END ITEM\$0.00</div>																
<div>CLASS III-POL (5.05)</div> <div>NOT APPLICABLE</div>	<div>DEPOT SECONDARY ITEM MAINTENANCE</div> <div>TOTAL\$0</div> <div>QUANTITY COMPLETED0</div> <div>AVG COST/SECONDARY ITEM\$0.00</div>																
<div>CLASS V-AMMUNITION (2.11)</div> <div>NOT APPLICABLE</div>	<div>INTERMEDIATE MAINTENANCE</div> <table><tr><td></td><td>DS/GS</td><td>CIVILIAN</td></tr><tr><td>MIL/CIV LABOR COST</td><td>\$44,482</td><td>\$51</td></tr><tr><td>AVG COST/SYSTEM</td><td>\$458.58</td><td>\$0.53</td></tr><tr><td>MAINTENANCE MANHOURS</td><td>2,678</td><td>2</td></tr><tr><td>MMHs/SYSTEM</td><td>27.61</td><td>0.02</td></tr></table>		DS/GS	CIVILIAN	MIL/CIV LABOR COST	\$44,482	\$51	AVG COST/SYSTEM	\$458.58	\$0.53	MAINTENANCE MANHOURS	2,678	2	MMHs/SYSTEM	27.61	0.02	
	DS/GS	CIVILIAN															
MIL/CIV LABOR COST	\$44,482	\$51															
AVG COST/SYSTEM	\$458.58	\$0.53															
MAINTENANCE MANHOURS	2,678	2															
MMHs/SYSTEM	27.61	0.02															
<div>CLASS IX MATERIEL-PARTS (5.04/5.03)</div> <table><tr><td></td><td>FY 94</td><td>AVG COST</td></tr><tr><td></td><td>DOLLARS</td><td>PER SYSTEM</td></tr><tr><td>CONSUMABLES</td><td>\$652,699</td><td>\$6,728.86</td></tr><tr><td>NET REPARABLES</td><td>\$2,831,939</td><td>\$29,195.25</td></tr><tr><td>NET TOTAL COSTS</td><td>\$3,484,638</td><td>\$35,924.10</td></tr></table>				FY 94	AVG COST		DOLLARS	PER SYSTEM	CONSUMABLES	\$652,699	\$6,728.86	NET REPARABLES	\$2,831,939	\$29,195.25	NET TOTAL COSTS	\$3,484,638	\$35,924.10
	FY 94	AVG COST															
	DOLLARS	PER SYSTEM															
CONSUMABLES	\$652,699	\$6,728.86															
NET REPARABLES	\$2,831,939	\$29,195.25															
NET TOTAL COSTS	\$3,484,638	\$35,924.10															

The following graph and table display FY 94 Class IX costs for consumables (CONS), reparable, (REPS), and net reparable (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

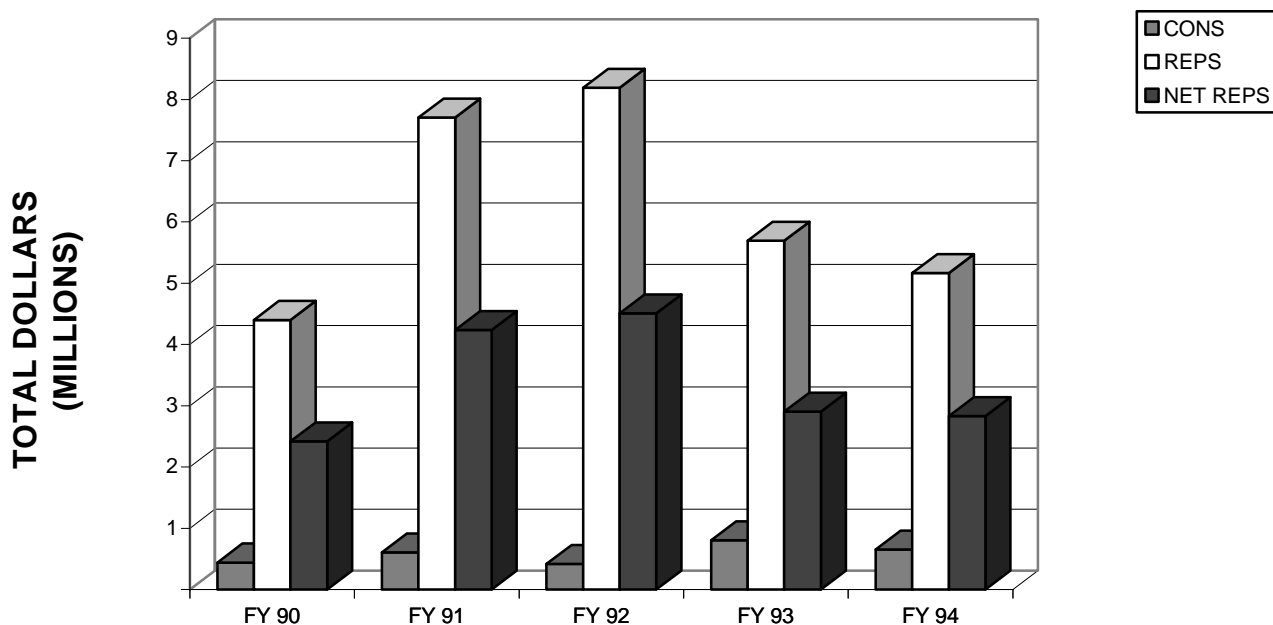
AN/TPQ-36 FIREFINDER



AN/TPQ-36 FIREFINDER FY 94 MACOM CLASS IX COSTS							
MACOM		CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
CODE	NAME						
FC	FORSCOM	241,335	1,910,217	1,046,755	1,288,090	22	58,550
E1	USAREUR	94,742	1,264,487	692,940	787,682	10	78,768
P8	EUSA	78,473	410,156	224,760	303,233	3	101,078
P1	USARPAC	92,347	453,433	248,464	340,811	5	68,162
SU	USARSO	0	0	0	0	0	0
AO	USASOC	0	0	0	0	0	0
TC	TRADOC	45,895	446,214	244,524	290,419	10	29,042
NG	ARNG	99,663	683,096	374,274	473,937	44	10,771
AR	USAR	244	423	222	466	3	155
TA	TOTAL ARMY	652,699	5,168,026	2,831,939	3,484,638	97	35,924

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparable (REPS) and net reparable (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TPQ-36 FIREFINDER



AN/TPQ-36 FIREFINDER FIVE YEAR TOTAL ARMY CLASS IX COSTS						
FISCAL YEAR	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
FY 90	440,731	4,400,642	2,420,354	2,861,085	82	34,891
FY 91	605,760	7,706,167	4,238,392	4,844,152	74	65,462
FY 92	418,467	8,192,460	4,505,853	4,924,320	76	64,794
FY 93	806,055	5,693,535	2,903,703	3,709,758	105	35,331
FY 94	652,699	5,168,026	2,831,939	3,484,638	97	35,924

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

AN/TPQ-36 FIREFINDER FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS							
WBS	NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUM OF SYSTEMS	AVG PER SYSTEM
01	SENSORS	349,865	4,274,526	2,342,432	2,692,297	97	27,756
02	PROCESSING (ADPE)	0	0	0	0	0	0
03	COMMUNICATIONS	203,641	17,661	9,676	213,317	97	2,199
04	PERIPHERALS	0	427,170	234,090	234,090	97	2,413
05	ENVIRON SUPPORT	49,638	350,977	192,334	241,972	97	2,495
06	APPLICATIONS SFT	0	0	0	0	0	0
07	SYSTEM SOFTWARE	0	0	0	0	0	0
08	INT, ASSY, TEST, C/O	0	0	0	0	0	0
09	OTHER	49,555	97,692	53,407	102,962	97	1,061
	TOTAL	652,699	5,168,026	2,831,939	3,484,638	97	35,924

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TPQ-36 FIREFINDER FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS						
WBS	NAME	FY 90 NET TOTAL COSTS	FY 91 NET TOTAL COSTS	FY 92 NET TOTAL COSTS	FY 93 NET TOTAL COSTS	FY 94 NET TOTAL COSTS
01	SENSORS	2,071,669	3,694,254	3,637,797	2,384,822	2,692,297
02	PROCESSING (ADPE)	34	33	18,440	125	0
03	COMMUNICATIONS	174,206	230,189	124,089	210,513	213,317
04	PERIPHERALS	33,080	281,658	581,559	347,563	234,090
05	ENVIRON SUPPORT	443,815	424,760	368,092	493,487	241,972
06	APPLICATIONS	0	0	0	0	0
07	SYSTEM SOFTWARE	0	0	0	0	0
08	INT, ASSY, TEST, C/O	0	0	0	0	0
09	OTHER	138,281	213,258	194,343	273,248	102,962
	TOTAL	2,861,085	4,844,152	4,924,320	3,709,758	3,484,638
	NUM OF SYSTEMS	82	74	76	105	97
	AVG PER SYSTEM	34,891	65,462	64,794	35,331	35,924

AN/TPQ-36 FIREFINDER
TOP 40 COST DRIVERS
CLASS IX CONSUMABLES (NON-DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE	FY 94 QTY
1.	5998010728198	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	3,586.00	19.78
2.	5985010746684	FEEDCONE ASSEMBLY	03E	F		G21RA	59.41	645.39
3.	5935013602630	CONNECTOR ASSEMBLY,	03E	F		G21RU	353.00	100.72
4.	5975011888873	MOUNTING BASE,ELECT	03E	O		G21R9	527.00	65.00
5.	5999012389736	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	1,866.00	13.26
6.	5840010822662	ELECTRONIC COMPONENT	01A	F	D	G21SK	4,237.00	3.71
7.	5985010724339	CASE,ANTENNA	03C	Z		Q22RB	54.16	230.92
8.	5995010851665	CABLE ASSEMBLY,RADI	03E	F		G21R4	31.22	356.22
9.	5998011092109	CIRCUIT CARD ASSEMB	01A	H		G21SK	1,755.00	6.29
10.	5985002403720	MAST SECTION	01B	Z		Q2200	6.82	1,502.20
11.	6105001849097	MOTOR,ALTERNATING C	05A	F		J2100	1,064.75	9.55
12.	5999011926505	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	2,436.00	3.76
13.	6695003468186	LIGHT,INSTRUMENT	09	O		Q2200	137.36	66.10
14.	5999010728236	CIRCUIT CARD ASSEMB	01A	H		G21SK	1,808.00	4.60
15.	5995013100335	CABLE ASSEMBLY,SPEC	03E	Z		G22R9	50.96	162.92
16.	5840010922546	ENCODER,DATA BUS	01A	H		G21SK	1,333.00	5.54
17.	5998010785935	CIRCUIT CARD ASSEMB	01A	H		G21SK	2,298.00	3.20
18.	5998010724623	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	2,818.00	2.60
19.	5998010922748	CIRCUIT CARD ASSEMB	01A	H		G21SK	1,889.00	3.73
20.	5999011786994	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	3,677.00	1.80
21.	4140010710698	FAN,CIRCULATING	05B	Z		E2200	1,072.20	5.65
22.	5315011080178	PIN,QUICK RELEASE	09	F		T2100	283.53	21.00
23.	5998010728211	CIRCUIT CARD ASSEMB	01A	H		G21SK	1,738.00	3.40
24.	5995008232838	CABLE ASSEMBLY	03E	Z		Q22RU	76.48	76.70
25.	5998010922751	CIRCUIT CARD ASSEMB	01A	H		G21SK	1,111.00	4.68
26.	5998010999246	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	3,146.00	1.59
27.	5895011954844	AMPLIFIER,RADIO FRE	03E	F		G21R9	1,222.00	3.67
28.	4140010988706	FAN,VANEAXIAL	05B	Z		E2200	1,479.50	2.89
29.	5998010728212	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	2,024.00	2.00
30.	5985010724342	SLEEVE,ANTENNA SUPP	03C	Z		Q22RB	28.15	136.79
31.	5945011229078	RELAY,ELECTROMAGNET	01A	Z		Q22SK	1,147.37	3.17
32.	5999011926490	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	1,808.00	2.00
33.	5998010728210	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	1,768.00	2.00
34.	5945004830652	RELAY,ELECTROMAGNET	01E	Z		Q2200	176.28	20.00
35.	4140011797959	FAN,CENTRIFUGAL	05B	Z		E2200	688.14	5.00
36.	5340010886650	COVER ASSEMBLY WEAT	01E	O		T21SK	328.00	10.18
37.	1240001570762	TELESCOPE ELBOW,CONS	09	H		M21LD	854.00	3.88
38.	5935012785305	CONNECTOR ASSEMBLY,	03E	F		G21RU	353.00	9.38
39.	5998013178582	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	1,509.00	2.15
40.	5999010724660	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	1,866.00	1.68

NUMBER OF SYSTEMS	97
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NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

AN/TPQ-36 FIREFINDER CONSUMABLES (NON-DLRs)

EXTENDED COST (QTY * UNIT PRICE)	AVERAGE COST	AVERAGE QUANTITY	FY 90-94 FIVE YEAR AVERAGE	
	PER SYSTEM	PER 100 SYSTEMS	QTY	EXTENDED COST
70,931	731.25	20.3918	9.76	34,999
38,343	395.29	665.3505	610.81	36,288
35,554	366.54	103.8351	20.14	7,109
34,255	353.14	67.0103	27.00	14,229
24,744	255.09	13.6701	6.82	12,726
15,720	162.06	3.8247	4.82	20,422
12,506	128.93	238.0619	314.09	17,011
11,122	114.66	367.2371	508.80	15,885
11,039	113.80	6.4845	5.94	10,425
10,245	105.62	1,548.6598	2,900.48	19,781
10,168	104.82	9.8454	3.10	3,301
9,159	94.42	3.8763	1.73	4,214
9,079	93.60	68.1443	28.63	3,933
8,317	85.74	4.7423	1.28	2,314
8,302	85.59	167.9588	34.10	1,738
7,386	76.14	5.7113	4.51	6,012
7,354	75.81	3.2990	1.45	3,332
7,327	75.54	2.6804	3.18	8,961
7,046	72.64	3.8454	4.14	7,820
6,618	68.23	1.8557	3.09	11,362
6,058	62.45	5.8247	2.39	2,563
5,954	61.38	21.6495	15.42	4,372
5,910	60.93	3.5052	4.05	7,039
5,867	60.48	79.0722	34.64	2,649
5,199	53.60	4.8247	4.01	4,455
5,003	51.58	1.6392	1.25	3,933
4,485	46.24	3.7835	0.85	1,039
4,276	44.08	2.9794	1.95	2,885
4,048	41.73	2.0619	2.84	5,748
3,852	39.71	141.0206	246.79	6,947
3,637	37.49	3.2680	2.84	3,259
3,616	37.28	2.0619	4.62	8,353
3,536	36.45	2.0619	2.32	4,102
3,526	36.35	20.6186	8.80	1,551
3,440	35.46	5.1546	1.22	840
3,338	34.41	10.4948	9.19	3,014
3,313	34.15	4.0000	4.11	3,510
3,311	34.13	9.6701	7.88	2,782
3,245	33.45	2.2165	0.48	724
3,136	32.33	1.7320	0.78	1,455

429,965	65.9%	TOP 40
222,734	34.1%	OTHERS
=====		
652,699		

AN/TPQ-36 FIREFINDER
TOP 40 COST DRIVERS
CLASS IX REPARABLES (DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE		FY 94 QTY
							W/O CREDIT	W/CREDIT	
1.	5840010886678	CONVERTER,FREQUE	01A	D	E	G21SK	35,549.00	19,480.85	25.42
2.	5840010886654	MULTR FREQUENCY A	01A	D		G21SK	37,875.00	20,755.50	13.72
3.	5840010735483	PRINTER,LINE	04B	D	C	G21SK	28,253.00	15,482.64	14.20
4.	5840012389511	OSCILLATOR ASSEMB	01A	D	C	G21SK	24,939.00	13,666.57	7.90
5.	5960013495380	ELECTRON TUBE	01A	D	E	G21SK	33,285.00	18,240.18	5.03
6.	5840010886656	OSCILLATOR ASSEMB	01A	D		G21SK	27,815.00	15,242.62	5.78
7.	5998010724649	CIRCUIT CARD ASSEM	01A	H	E	G21SK	3,654.00	2,002.39	38.28
8.	6110010917827	REGULATOR,FREQUE	05A	D	D	G21SK	38,825.00	21,276.10	3.25
9.	5960010769930	ELECTRON TUBE	01A	D	C	G21SK	66,475.00	36,428.30	1.86
10.	5840013060753	TILT SENSOR	01A	D		G21SK	28,287.00	15,501.28	4.10
11.	5950011408992	TRANSFORMER RECT	01A	D	E	G21SK	22,971.00	12,588.11	4.04
12.	5999012248133	CIRCUIT CARD ASSEM	01A	D		G21SK	15,368.00	8,421.66	5.61
13.	5840010764108	SERVO ENCODER ASS	01A	D	C	G21SK	9,197.00	5,039.96	8.28
14.	5998013081427	CIRCUIT CARD ASSEM	01A	D	E	G21SK	16,917.00	9,270.52	4.45
15.	5950012330351	TRANSFORMER,POWE	01A	D		G21SK	10,325.00	5,658.10	7.19
16.	5960012703938	ELECTRON TUBE	01A	D	C	G21SK	66,475.00	36,428.30	1.07
17.	6625010825633	INDICATOR,PANORAM	09	D	C	G21SK	8,127.00	4,453.60	8.30
18.	3010012637670	ACTUATOR,ELECTRO-	01A	D	E	G21SK	5,989.00	3,281.97	10.57
19.	5895013394845	CONVERTER,FREQUE	01A	D		G21SK	20,608.00	11,293.18	3.00
20.	5999012389742	CIRCUIT CARD ASSEM	01A	D		G21SK	5,861.00	3,211.83	10.24
21.	5915010728068	FILTER,BAND PASS	01A	D	D	G21SK	28,703.00	15,729.24	2.08
22.	5995010828114	CABLE ASSEMBLY,SPI	01A	D	D	G21SS	3,966.00	2,173.37	14.70
23.	5840010886790	CIRCUIT CARD ASSEM	01A	L	D	G21SK	24,939.00	13,666.57	2.15
24.	5840010720500	AMPLIFIER,RADIO FRE	01A	D	C	G21SK	49,764.00	27,270.67	1.02
25.	5840010720422	MICROWAVE CIRCUIT	01A	D	C	G21SK	15,108.00	8,279.18	3.17
26.	5840011119170	RECTIFIER AND FILTE	01A	D	E	G21SK	18,226.00	9,987.85	2.51
27.	5915010728067	FILTER,BAND PASS	01A	D	D	G21SK	27,881.00	15,278.79	1.52
28.	5895011926474	CONVERTER,FREQUE	01A	D	D	G21SK	20,017.00	10,969.32	2.09
29.	5840012389606	AMPLIFIER,RADIO FRE	01A	D	C	G21SK	49,764.00	27,270.67	0.82
30.	5999011926479	DELAY LINE	01A	D	C	G21SK	24,063.00	13,186.52	1.67
31.	5840011926470	DRIVE,ANTENNA	01B	D	C	G21SK	13,013.00	7,131.12	2.53
32.	5840011917387	CIRCUIT CARD ASSEM	01A	D		G21SK	9,432.00	5,168.74	3.05
33.	5960010893554	ELECTRON TUBE	01A	D	E	G21SK	33,285.00	18,240.18	0.85
34.	5975010724464	INTERCONNECTING B	01A	D	R	G21SK	12,788.00	7,007.82	2.18
35.	6105011087950	MOTOR,AZ DRIVE	05A	D	E	G21SK	3,391.00	1,858.27	8.03
36.	6110010724333	CONTACTOR,STEP ST	05A	D		G24SK	2,370.00	1,298.76	10.75
37.	3010012267987	CALCULATOR ELEVAT	05G	D	E	G21SK	5,989.00	3,281.97	3.94
38.	5840012247964	MODULATOR PULSE	01A	D	E	G21SK	2,542.00	1,393.02	9.18
39.	6130012389650	POWER SUPPLY	05A	D	E	G21SK	1,203.00	659.24	19.35
40.	5840010823689	MAGNETIC TAPE ASSE	04D	D		G21SK	1,255.00	687.74	17.55

NUMBER OF SYSTEMS	97
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NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

AN/TPQ-36 FIREFINDER REPARABLES (DLRs)

EXTENDED COST (W/CREDIT) (QTY * UNIT PRICE)	AVERAGE COST (W/CREDIT)	AVERAGE QUANTITY	FY 90-94 FIVE YEAR AVERAGE	
	PER SYSTEM	PER 100 SYSTEMS	QTY	EXTENDED COST (W/CREDIT)
495,203	5,105.19	26.2062	17.48	340,525
284,766	2,935.73	14.1443	10.14	210,461
219,854	2,266.54	14.6392	14.04	217,376
107,967	1,113.06	8.1443	8.38	114,526
91,748	945.86	5.1856	2.61	47,607
88,103	908.28	5.9588	4.36	66,458
76,652	790.23	39.4639	19.86	39,767
69,147	712.86	3.3505	5.85	124,465
67,757	698.53	1.9175	2.17	79,049
63,556	655.22	4.2268	1.82	28,212
50,855	524.28	4.1649	4.81	60,549
47,245	487.06	5.7835	7.72	65,015
41,731	430.22	8.5361	4.86	24,494
41,254	425.30	4.5876	0.89	8,251
40,682	419.40	7.4124	7.64	43,228
38,978	401.84	1.1031	1.81	65,935
36,964	381.07	8.5567	8.46	37,677
34,690	357.63	10.8969	5.11	16,771
33,880	349.28	3.0928	0.60	6,776
32,889	339.06	10.5567	4.45	14,293
32,718	337.30	2.1443	3.02	47,502
31,948	329.36	15.1546	17.14	37,252
29,383	302.92	2.2165	0.83	11,343
27,816	286.76	1.0515	3.40	92,720
26,245	270.57	3.2680	2.83	23,430
25,068	258.43	2.5876	3.70	36,955
23,223	239.41	1.5670	2.10	32,085
22,926	236.35	2.1546	3.42	37,515
22,362	230.54	0.8454	3.36	91,629
22,022	227.03	1.7216	2.13	28,087
18,041	185.99	2.6082	3.91	27,883
15,764	162.52	3.1443	1.81	9,355
15,504	159.84	0.8763	4.97	90,654
15,278	157.51	2.2474	1.44	10,091
14,921	153.82	8.2784	9.21	17,115
13,961	143.93	11.0825	5.55	7,208
12,931	133.31	4.0619	1.99	6,531
12,788	131.84	9.4639	6.84	9,528
12,758	131.53	19.9485	9.67	6,375
12,070	124.43	18.0928	12.31	8,466

2,371,648	83.7%	COST DRIVERS
460,291	16.3%	OTHERS
=====		
2,831,939		

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

AN/TPQ-36 FIREFINDER FY 94 DEPOT MAINTENANCE COSTS							
COST ELEMENTS	END ITEM MAINTENANCE				SECONDARY ITEM MAINTENANCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER
CIVILIAN LABOR	0	9,356	0	0	0	0	0
MILITARY LABOR	0	0	0	0	0	0	0
MATERIEL	0	2,223	0	0	0	0	0
TRANSPORTATION	0	0	0	0			
OVERHEAD	0	15,909	0	0	0	0	0
CONTRACT	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
TOTAL	0	27,488	0	0	0	0	0
QTY COMPLETED	0	0	0	0	0	0	0
AVG COST	0	0	0	0	0	0	0

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate (\$16.61). CIVILIAN LABOR COSTS are a summation from the source data.

AN/TPQ-36 FIREFINDER FY 94 INTERMEDIATE MAINTENANCE COSTS					
MACOM	DS/GS LABOR HOURS	DS/GS LABOR COSTS	CIVILIAN LABOR HOURS*	CIVILIAN LABOR COSTS*	CIVILIAN LABOR COST/HOUR
FORSCOM	439	7,292	2	51	25.50
USAREUR	397	6,594			
EUSA	93	1,545			
USARPAC	176	2,923			
USARSO	0	0			
USASOC	0	0			
TRADOC	16	266	0	0	0.00
ARNG	1,557	25,862			
USAR	0	0			
TOTAL ARMY	2,678	44,482	2	51	25.50

*TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TPQ-36 FIREFINDER FIVE YEAR DEPOT MAINTENANCE COSTS										
COST ELEMENTS	END ITEM MAINTENANCE					SECONDARY ITEM MAINTENANCE				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
CIVILIAN LABOR	0	0	0	456,116	9,356	16,414	71,621	22,775	22,492	0
MILITARY LABOR	0	0	0	0	0	0	0	0	0	0
MATERIEL	0	0	0	356,009	2,223	14,247	44,786	18,788	7,603	0
TRANSPORTATION	0	0	0	0	0					
OVERHEAD	0	0	0	613,281	15,909	27,879	143,472	49,086	58,645	0
CONTRACT	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	4,867	0	3,288	6,476	4,657	0	0
TOTAL	0	0	0	1,430,273	27,488	61,828	266,355	95,306	88,740	0
QTY COMPLETED	0	0	0	7	0	18	162	59	48	0
AVG COST	0	0	0	204,325	0	3,435	1,644	1,615	1,849	0

The table below summarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TPQ-36 FIREFINDER FIVE YEAR INTERMEDIATE MAINTENANCE COSTS										
MACOM	DIRECT/GENERAL SUPPORT INTERMEDIATE MAINTENANCE (DS/GS)					CIVILIAN MAINTENANCE (CIV)				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
FORSCOM	13,236	7,642	15,981	13,501	7,292	2,011	97,981	10,728	24,408	51
USAREUR	4,378	3,363	3,024	3,241	6,594					
EUSA	1,733	1,305	1,431	4,170	1,545					
USARPAC	2,348	1,216	6,753	6,784	2,923					
USARSO	0	0	0	0	0					
USASOC	0	0	0	0	0					
TRADOC	180	2	3	66	266	17,551	82,488	13,071	32,280	0
ARNG	7,060	15,672	12,630	45,615	25,862					
USAR	0	0	0	0	0					
TOTAL ARMY	28,935	29,200	39,822	73,377	44,482	19,562	180,469	23,799	56,688	51
LABOR HRS	1,722	1,721	2,365	4,271	2,678	867	8,490	1,197	2,342	2
COST PER HR	16.80	16.96	16.84	17.19	16.61	22.56	21.26	19.88	24.20	25.50

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

AN/TPQ-36 FIREFINDER					
FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS					
COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REBUILD/ OVERHAUL	FY 94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
NO DATA AVAILABLE					

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

AN/TPQ-36 FIREFINDER					
FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS					
COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REPAIR	FY 94 QTY COMPLETED	AVG COST TO REPAIR
NO DATA AVAILABLE					

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90 -94 QTY COMPLETED.

AN/TPQ-36 FIREFINDER FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REBUILD/ OVERHAUL	FY 90-94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
5840-01-073-5483	PRINTER,LINE	28,253	108,500	36	3,014
5950-01-140-8992	TRANSFORMER RECT	22,971	38,499	1	38,499
6130-01-072-4413	POWER SUPPLY	621	23,190	8	2,899
6130-01-072-1533	POWER SUPPLY	894	22,468	26	864
4320-01-156-0386	PUMP,MOTOR ASSEM	10,101	15,386	1	15,386
5998-01-072-4649	CIRCUIT CARD ASS	3,654	10,569	8	1,321
6130-01-176-3196	POWER SUPPLY	1,203	7,904	2	3,952
6130-01-072-0508	POWER SUPPLY	519	6,035	3	2,012
5998-01-072-8198	CIRCUIT CARD ASS	3,586	5,752	9	639
6130-01-072-1532	POWER SUPPLY	1,013	5,673	1	5,673

The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

AN/TPQ-36 FIREFINDER FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REPAIR	FY 90-94 QTY COMPLETED	AVG COST TO REPAIR
5840-01-088-6678	CONVERTER,FREQUE	35,549	57,203	6	9,534

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